

Date: Wed, 26 Oct 94 04:30:27 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: List
Subject: Ham-Equip Digest V94 #391
To: Ham-Equip

Ham-Equip Digest Wed, 26 Oct 94 Volume 94 : Issue 391

Today's Topics:

733 MODS INFO

>>> FOR SALE >>> THREE SECTION TELESCOPING MAST 36' AND DIAMOND X-50 2M/440
ANTENNA

Conversion of Commercial Radios

ft-207R (2 msgs)

FT530 pads? (2 msgs)

Icom

IC T21A

Info on NiMH batteries wanted...

Kenwood TH28A HT- For Sale

Ten Tec OMNI V/VI owners - HISS problem

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 24 Oct 94 11:57:32
From: keith.knipschild@asb.com
Subject: 733 MODS INFO

BK>>>> Modifications, Undocumented Features, and Bugs for the Kenwood TM-733A.
>>>>> Release 2.0 Updated October 1, 1994

>>>>> -----
>>>>> Extended RF Modifications
>>>>> -----

>>>>> Remove B0. (the one on the left - furthest from the green wires)

Here's an example: You want to listen to 471.6625 - To receive this you have to tune to 354.6125 -- With that now you see that the Magic Number is 117.050 MHz.

[illegible]

What do you thing ?? Iam I right ???

Thanks for the MOD INFO !!!!!!!!!

Keith

Keith.Knipschild@asb.com

Date: 25 Oct 1994 15:52:17 GMT
From: johanson@ix.netcom.com (David Johanson)
Subject: >>> FOR SALE >>> THREE SECTION TELESCOPING MAST 36' AND DIAMOND X-50 2M/
440 ANTENNA

>>> FOR SALE >>> THREE SECTION TELESCOPING MAST 36' AND DIAMOND X-50 2M/440 ANTENNA

THREE SECTION TELESCOPING MAST, 36', GALVANIZED, PRICE \$40 + Shipping

DIAMOND X-50, 2 METER & 440 MHZ DUAL BAND ANTENNA, PRICE \$80 + Shipping

David (415) 941-3444

Date: Tue, 25 Oct 1994 13:56:48 GMT
From: uid@ornl.gov
Subject: Conversion of Commercial Radios

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In article <JOHNZ-2110941632190001@edb252e.edb.utexas.edu>
JOHNZ@UTXVMS.CC.UTEXAS.EDU (John Moore) writes:
>Path: stc06.CTD.ORNL.GOV!cs.utk.edu!gatech!swrinde!cs.utexas.edu!
gerald0.cc.utexas.edu!edb252e.edb.utexas.edu!user
>From: JOHNZ@UTXVMS.CC.UTEXAS.EDU (John Moore)
>Newsgroups: rec.radio.amateur.equipment
>Subject: Conversion of Commercial Radios
>Date: 21 Oct 1994 21:29:48 GMT
>Organization: UTAUSTIN
>Lines: 7
```

>Message-ID: <JOHNZ-2110941632190001@edb252e.edb.utexas.edu>
>NNTP-Posting-Host: edb252e.edb.utexas.edu

>Digipros,

>I see lots of commercial uhf/vhf radios at hamfests. I know that these
>(some of these?) can be converted for use on the ham bands. Is there a
>book or are there articles on commercial radio conversion?

>Thanks...kb5viw

DONT KNOW ABOUT BOOKS OR ARTICLES, BUT MY EXPERIENCE IS TO BUY YOURSELF A
CHEAP NEW AMATEUR RADIO. THE COST OF CRYSTAL ELEMENTS AND OTHER PARTS FOR
COMMERICAL RIGS CAN AD UP TO THE COST OF NEW AMATEUR RADIO, UNLESS YOU WANT
THE CHALLANGE OF DOING IT. SHOP WISELY

KB4TEP

Date: 25 Oct 94 11:49:56 GMT
From: HOFFMAA%PEWTER@leia.polaroid.COM (TONY HOFFMANN KD1SF PAGE #468-2279)
Subject: ft-207R

Hi, does anybody have any info on a Yaesu FT-207R I picked one up
at a flea mkt. without manual. can anybody tell me what the slide switch
on the bottom that says (5-up) means. also the display seems to bear no
relevance to what freq. is put in; same with the offset. one more thing
does this radio have a back up bat. for memory.

Any other info such as features, power output, etc. would be appreciated.
tnx "hoffmaa%pewter@leia.polaroid.com"

Date: Tue, 25 Oct 1994 14:53:54 -0500
From: kleite@gtec3.ndhm.gtegsc.com (Keith J. Leite)
Subject: ft-207R

In article <199410251151.EAA23391@ucsd.edu>,
HOFFMAA%PEWTER@leia.polaroid.COM (TONY HOFFMANN KD1SF PAGE #468-2279)
wrote:

> Hi, does anybody have any info on a Yaesu FT-207R I picked one up
> at a flea mkt. without manual. can anybody tell me what the slide switch
> on the bottom that says (5-up) means. also the display seems to bear no
> relevance to what freq. is put in; same with the offset. one more thing

> does this radio have a back up bat. for memory.
> Any other info such as features, power output, etc. would be
appreciated.
> tnx "hoffmaa%pewter@leia.polaroid.com"

Hi Tony,

I have one of these radio's I bought new for \$300.00 back in 1982. The
answer

to your first question is the 5 up means 5kc's, which means if you were at
145.150, the 5up switch would make it 145.155.

The display will read like this say you were on 145.150 Mhz, the display will
be 5.15

No this radio does not have a backup battery for the memory (bummer) Oh well
at the time I bought mine it was the best thing on the market ...hehe, Gee
how things change. Hope this helps you out

73 de Keith / AA1JF

Keith J. Leite Email: kleite@gtec3.ndhm.gtegsc.com
GTE Government Systems
IT/Network Operations
400 John Quincy Adams Rd.
Taunton, MA 02780 USA

"THROUGH THE GATEWAY; OFF THE REPEATER; OVER THE T-1
BACKBONE... NOTHING BUT NET !!!"

Date: Tue, 25 Oct 1994 10:47:07 GMT
From: rjager@inter.NL.net (R. Jager)
Subject: FT530 pads?

The Yaesu ft530 handset has 16 internal solder-pads. Removing #13
enlarges the frequency ranges. Where are the other pads used for? I
imaging it is used for the default freq shifts and so on. Who has a
total overview of the functionality of all these pads??

TNX, Ruurd, PE1DXQ.

--
-- Bloemenveiling Holland -- FLOWERING THE WORLD -- Flower Auction Holland --
using the NLnet Internet Services: E-mail: ima@bvh.nl or R.Jager@bvh.nl

Date: 25 Oct 1994 11:58:28 GMT
From: drossier@di.epfl.ch (Daniel Rossier)
Subject: FT530 pads?

I would just say something about Yaesu FT-530. In fact, the 16 internal solder-pads are not always present for all models. On my rig, I can not remove it because there is no pad.

D. Rossier, HB9UFT

Date: Sun, 23 Oct 94 22:51:41 EDT
From: overlord@tnce.com (Overlord)
Subject: Icom

I just bought an Icom IC-2SAT 2m HT. I'm interested in any experience anyone has had with these or any mods for it. I am also looking for a service manual

Thanks!
73's

~Overlord~

Date: 24 Oct 1994 22:59:02 GMT
From: jholloway@academic.csubak.edu
Subject: IC T21A

I have had my IC T21A for a few months and did the ext. Receive keyboard mod on it. However it will not let me transmit i.e. Whisper mode or cross band operation unless I am in the 440-450 range. 437 mhz is still in the HAM range and I want to be able to recieve on that and transmit on 2 m. Does anyone know of a mod for this. The ext. transmit mod might do it but I don't know that one either.

KE6EBA

Joe

Date: Tue, 25 Oct 1994 13:48:09 GMT
From: uid@ornl.gov
Subject: Info on NiMH batteries wanted...

In article <1994Oct23.233747.10584@ulb.isc.rit.edu> bad1679@ulb.isc.rit.edu (B.A. Doehner) writes:

>Newsgroups: rec.radio.amateur.equipment
>Path: stc06.CTD.ORNL.GOV!cs.utk.edu!emory!europa.eng.gtefsd.com!
howland.reston.ans.net!pipex!uunet!psinnntp!isc-newsserver!ulb!bad1679
>From: bad1679@ulb.isc.rit.edu (B.A. Doehner)
>Subject: Info on NiMH batteries wanted...
>Message-ID: <1994Oct23.233747.10584@ulb.isc.rit.edu>
>Sender: news@ulb.isc.rit.edu (USENET News System)
>Nntp-Posting-Host: ulb-gw.isc.rit.edu
>Organization: Rochester Institute of Technology
>Distribution: na
>Date: Sun, 23 Oct 1994 23:37:47 GMT
>Lines: 18

>Hi All,

>I would like to add a rechargeable battery to the inside of my A&A QRP
>rig and replace the insert of my Kenwood PB-21 pack with new batteries.
>I would like to try using Nickel Metal Hydride (sp?) or rechargeable
>Lithium batteries instead of NiCad's because of their higher energy
>density. However, I have been unable to find a source of either Nickel
>Metal Hydride or rechargeable Lithium batteries.

>Does anyone know of a company that will sell either Nickel Metal Hydride
>or rechargeable Lithium batteries?

>If so, please send me their address and/or phone number..

>Thanks...

>Bernie Doehner nu1s/9

THE NICKEL METAL HYDRIDE BATTERIES I KNOW HAVE A HIGH SELF DISCHARGE RATE.
THEY CAN COMPLETELY SELF DISCHARGE IN APP. 15 DAYS. YOU MIGHT WANT TO CHECK
THIS OUT.

KB4TEP

Date: Tue, 25 Oct 1994 11:39:48 EDT
From: mellerso@uga.cc.uga.edu (Mike Ellerson)
Subject: Kenwood TH28A HT- For Sale

For Sale :

TH28A- HT
Stock Battery
Charger
Original Manuals and Box
Soft Case
MFJ - Microphone

This rig is less than a year old and in excellent condition. It has been kept in the softcase, so it is excellent physical and electrical condition. Features 2M Xmit and 440 Receive, Extended Receive, Aircraft Receive, Alphanumeric display, etc., etc. This rig has not been modified. This has been an excellent HT for me. The reason for selling is to get a dual band rig. Asking \$250.00 for all above.

If interested, contact me via email - mellerso@uga.cc.uga.edu

Thanks in advance

73

Date: Tue, 25 Oct 1994 13:48:27 GMT
From: dnewkirk@arrl.org (Dave Newkirk (WJ1Z))
Subject: Ten Tec OMNI V/VI owners - HISS problem

Scott Richard Rosenfeld (ham@wam.umd.edu) wrote:

[deletions]

: To all devotees of the OMNI V/VI series...

: Best radio I have ever had the pleasure of listening to. But it's got
: this really annoying HISS, that's kinda high-pitched, right smack
: dab in the middle of the audible range that really gets in the way
: of copying that weak DX.

[deletions]

: All recent mods have been done by Ten-Tec. They should have improved
: the hiss problem somewhat, although I never heard the radio before
: the mods were done.

Okay, but if your radio is an OMNI V, do be sure they did the one mentioned
in *QST*'s OMNI V review (Nov 1990 *QST*, p 33) under the Rough Edges
subhead. That one, "incorporated into all production units since the spring
of 1990," bears directly on just the type of hiss you mention.

That said, any radio that has wideband IF amplifiers after all of its
signal-width selectivity and includes no audio rolloff is going to serve up
some wideband IF hiss. My little old TS-130V, all of the signal-width
selectivity of which comes from a single 8830-kHz filter, exemplifies this
exactly. A bit of audio rolloff can help; a "tail end" IF filter--after the
AGC-detector pickoff point but before the product detector--is a good
solution, issues of complexity, filter loss and group delay aside. An
image-reject product detector is another neat idea.

Regards,

David Newkirk, WJ1Z
Senior Assistant Technical Editor
ARRL HQ

Date: 25 Oct 1994 14:29:08 GMT
From: galen@picea.CNR.ColoState.EDU (Galen Watts)

References<384fjs\$3pn@hp-col.col.hp.com> <Cy1q41.LJ4@utnetw.utoledo.edu>,
<38iii5\$a8f@hp-col.col.hp.com>
Subject: Re: Alinco 6M FM

In article <38iii5\$a8f@hp-col.col.hp.com> bobw@col.hp.com (Bob Witte) writes:
> The original comment that I made concerning a recently introduced
> 10Watt 6M FM rig was basically meant to say "gee, the state of the
> art is such that providing something greater than 10 watts at 50 MHz
> should not be a problem" (i.e. it should not increase the cost of
> the radio substantially).

The state of the art is there, but the economics aren't. 6m is a 'born
again' band, and it's gonna be a couple years before the manufacturers
figure out that maybe someone would want 50w on 50MHz at the touch of a
button. I remember some great 2m rigs that only had 10w, now 45-50w is
the norm, and Icom has the 736, 100w on 6m.

I'm currently working on a 200w amp, 10w in for just such a radio, my Icom 726. I've found that for Es SSB, you really need at least 50w or be working from a rare grid ;-). The local 6m repeater is behind quite a few hills from me, I don't expect to use it unless I have a 100w or so.

>

> I guess I didn't realize running 30 watts was considered an irrational
> lust for power these days :-)

>

You just want something to keep your feet warm this winter ;-)
Galen, KF0YJ

Date: 25 Oct 1994 09:19:01 GMT
From: bobw@col.hp.com (Bob Witte)

References<37tr88\$292@sulawesi.lerc.nasa.gov>
<782593738snz@g8s.jp.demon.co.uk>, <384fjs\$3pn@hp-col.col.hp.com>,
<Cy1q41.LJ4@utnetw.utoledo.edu>
Subject: Re: Alinco 6M FM

pouelle@uoft02.utoledo.edu wrote:

: Ok all you more watts the better people - relax and engage your brains.
: I have run 5 watts or less with a 5/8 wave ground plane on 2m with good
: results - 40 miles regularly into a decent repeater, and it gets out well
: enough for simplex - especially when I use a 5 element beam. As for 6m,
: a friend worked New Mexico on < 3W ssb during a band opening. I would
: suspect that 10W for 6m FM would be useable for modest local communication
: when the band is not open and overkill (sometimes) when it is. Remember
: it is easier to increase your range with a good antenna than with a power
: amp. QST recently had a really good article about powering your way to an
: s-9 signal - it's just not worth it!

The original comment that I made concerning a recently introduced 10Watt 6M FM rig was basically meant to say "gee, the state of the art is such that providing something greater than 10 watts at 50 MHz should not be a problem" (i.e. it should not increase the cost of the radio substantially).

Yes, gain antennas are very valuable. You can *even* use them when you are running greater than 10 watts and radiate an even stronger signal. Yes, I can hit the local repeater with less than 10 watts. Yes, there are QSOs to be made on 6M with less than 10W.

I guess I didn't realize running 30 watts was considered an irrational lust for power these days :-)

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

Date: 25 Oct 1994 09:05:35 GMT
From: bobw@col.hp.com (Bob Witte)

References<384fjs\$3pn@hp-col.col.hp.com> <387aoj\$9ab@eram.esi.com.au>,
<782812214snz@g8sjp.demon.co.uk>
Subject: Re: Alinco 6M FM

Iain Philipps (ip@g8sjp.demon.co.uk) wrote:

: S'funny how different folks see different things. What's the difference, may
: I ask, between 10 watts and 30 (or even 50) watts? Lemmeseenow. 1/2 to 5/6
: of one 'S' point?. Ahh - I know what it is - it's the inherent non-linearity
: of most guess-meters which move a whole inch when presented with a 3dB change
: in signal. That'll explain it.

The difference is between 10 and 50 watts is a ratio of 5 to 1,
or $10 \log(5) = 7$ dB. Surely there are contacts that this 7 dB
will make no difference...surely there are contacts where this
7 dB will make a difference.

It is funny how people see things differently. To me, a dB is a dB
is a dB. (Or as another poster points out, sometimes a dB is
more than a dB with FM.)

Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

Date: Tue, 25 Oct 1994 12:30:35 GMT
From: junger@rsg1.er.usgs.gov (John Unger)

References<384693\$gd3@hplvec.lvld.hp.com> <dgfCxz7G2.Iso@netcom.com>,
<38h5av\$379@hplvec.lvld.hp.com>
Subject: Re: Amateur Radio Trader

In article <38h5av\$379@hplvec.lvld.hp.com>,
Scott Turner <scott@lvld.hp.com> wrote:
>David Feldman (dgf@netcom.com) wrote:
> In article <384693\$gd3@hplvec.lvld.hp.com> scott@lvld.hp.com (Scott Turner)
writes:
>
>>The organization is, I think, its greatest strength and advantage over
>>the Ham Trader Yellow Sheets. It's much bigger than the Yellow Sheets,
>

> I'm not entirely certain the organization is an unqualified advantage;
> people often list several unrelated things in one ad (for example, a
> Drake and a Ten-Tec), and choose one classification. This might cause
> something to be overlooked. I have been searching forever for an ICOM

When I was looking thru a complimentary copy of the A. R. T. that I received a while ago, I noticed that at least some of the adverts that listed two different manufacturers' products were listed twice. For example under both Drake and Ten-Tec headings. I'm not sure if this is policy or people actually paying for two ads....

73 - John, W3G0I

End of Ham-Equip Digest V94 #391
